

# Geospatial Team Lead, Alan L. Clack

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## HIGHLIGHTS OF PROFICIENCIES

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|--------------------------------|-------------------------------|-------------------------------------|
| ➤ ESRI ArcGIS Suite / QGIS     | ➤ GIS Portal Implementation   | ➤ Quality Control / Assurance       |
| ➤ Production Management        | ➤ GIS Server Management       | ➤ Training & Curriculum Development |
| ➤ Analytical Workflow Creation | ➤ GIS / Open Source Scripting | ➤ MULTI-INT Systems                 |
| ➤ Custom GIS Automation        | ➤ Web Development             |                                     |

**Passionate geospatial analyst and team lead** with 10 years of experience advancing production shops and handling analytical efforts in both solo and team oriented environments. Supported a wide range of complex customer requirements with a bearing towards analysis to include: terrain analysis, force protection analysis, 3D analysis, and Ground Moving Target Indicator (GMTI) analysis. Supported local and overseas customers through building collaborative teams and environments that adapted to site's unique requests while developing additional capabilities.

**Outstanding efficiency** of analytical workflows, advancements in production environments, and maintenance of GIS data holdings. Products are produced at a high-rate tempo due to effective organization, well documented workflows, and firm adherence to industry standards. Data and product dissemination was enhanced through use of in-house developed tools and effective usage of cloud/web based solutions to build cohesive systems between multiple teams and customers across the globe.

**Excellent presentational skills and customer relations** by adapting to custom requirements to meet specific operational needs and intelligence requests. Consulted between development teams and end-user operators by bridging gaps by having a strong understanding in both aspects. Trained instructors and students alike in aspects of hardware, software, analysis, and emerging technologies and methodologies.

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## PROFESSIONAL EXPERIENCE

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### APEX EXPERT SOLUTIONS LLC.

Fort Belvoir, VA – April 2015 to Present

#### Geospatial Team Lead

- Advanced the rapidly growing Geospatial Training and Analysis Cell (GTAC) to support the Night Vision Electronic Sensors Directorate (NVESD) CONUS/OCONUS simulation lab, Full Motion Video (FMV), Bi-Static Surveillance System (BSS), and Imagery Analyst teams. Support provided to customers has expanded to mass data management and dissemination, spatial and scripted analysis, 3D modelling utilizing GIS technologies, and advanced geospatial visualization techniques.
- Overhauled online collaboration environments to support overseas teams to allow for quick-reaction products and sustainable production efforts. Customers requiring advanced methods of analysis and visualization but are restricted to limited software and hardware configurations are still receiving quality products and analysis due the team's expanded capabilities and expertise.

- Customers have seen a 200% increase in production and the intelligence being produced is being disseminated in traditional means as well as web-based environments and offline tablet-based environments giving much needed visibility to in-depth results.
- Providing support for programs helped expand the company's contracts within the workspace. This has helped in acquiring better trained personnel which has resulted in military units requesting additional assets to help with effective force protection measures. Decision makers are receiving more reliable data and actionable intelligence in less time than previously due to combined efforts.

## **APEX EXPERT SOLUTIONS LLC.**

Fort Belvoir, VA – December 2014 to April 2015

### **Geospatial Analyst**

- Supported the Night Vision Electronic Sensors Directorate (NVESD) simulation lab and other government/military customers in support of sensor-based solutions that provided force protection for the US Army. Training improvements allowed operators to support overseas units with additional support while building up an excellent collaborative environment as reach-back support to enhance the sensor suites.
- Significantly improved established workflows enabling the small team to support more customers with a wider variety of GIS analysis and data. Automation of workflows utilizing Python, command, and open source GIS scripting reduced common workflows by approximately 75% freeing up valuable manpower hours. Customer support consequentially expanded to include "war-gaming" databases for aviation operations and multinational Joint Operations whose data requirements were beyond previous manual capabilities.

## **2<sup>ND</sup> INTELLIGENCE BATTALION**

Camp Lejeune, North Carolina - October 2011 to December 2014

### **Geospatial Intelligence Data Manager**

- Maintained, updated, and organized all geospatial data that is utilized by the Geographic Intelligence Capability in support of military operations, which included worldwide datasets at the command and tactical levels. Maintained an SDE database for replication into Marine Corps Intelligence Activity (MCIA) SDE database.
- Instructed Marines in garrison and on deployment on the proper use and maintenance of equipment to include computer systems, servers, plotters, and other hardware.
- Trained and advised Marines on proper use of data for analytical purposes as well as proper creation and storage of newly created data. Developed curriculum based classes and tutorials that covered varying levels of geospatial analysis.

## **2<sup>ND</sup> INTELLIGENCE BATTALION**

Camp Lejeune, North Carolina - November 2010 to October 2011

### **Geospatial Intelligence Team Lead**

- Lead a shop of 40+ Marines with varying levels of experience. Taught proper industry standard techniques for product creation and geospatial analysis in support of a multitude of military operations in Afghanistan, the Caribbean, and AFRICOM over dozens of billets. Conducted and trained personnel in quality assurance and quality control of the products created and distributed.
- Consolidated map templates and analytical models to assist in custom tailored products to improve team efficiency and allow methodologies to be transferred effectively between consistent active duty turnover. Exceeded expectations of customers in product creation the include: humanitarian assistance, counter-narcotic operations, joint operations with partner nations, 3D analysis for aeronautical operations, hydrographic / beach analysis for landing operations, and training products.

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### **ADDITIONAL EXPERIENCE**

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UNITED STATES MARINE CORPS (USMC) – Active Duty  
SOUTHERN PARTNERSHIP STATION — USS Oak Hill, SPS-12  
WEAPONS AND TACTICS INSTRUCTION COURSE — MCAS,  
Yuma, AZ

**Geospatial Intelligence Specialist**, 12/2009 to 12/2014  
**Geospatial Intelligence Specialist**, 09/2012 to 12/2012  
**Instructor Course Support**, 02/2013 to 05/2013

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### **EDUCATION & TRAINING**

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**NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY COLLEGE (NGC-E)** - Springfield, Virginia  
Basic Geospatial Intelligence Specialist Course (BGIS) – (2011)  
Intermediate Geospatial Intelligence Specialist Course (IGIS) – (2013)

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